



US Army Corps
of Engineers®



Cleveland Harbor, OH

Harbor Features

- Located on Lake Erie in the city of Cleveland, Cuyahoga County, Ohio.
- Authorization: River & Harbor Acts of 1875, 1886, 1888, 1896, 1899, 1902, 1907, 1910, 1916, 1917, 1935, 1937, 1945, 1946, 1958, 1960, 1962, Water Resources Development Acts of 1976 and 1986, Supplemental Appropriations Act of 1987 and the Energy & Water Appropriations Act of 1988.
- Deep draft commercial harbor.
- Controlling depths are 28 feet in the Outer Harbor and 23 feet in the river.
- 47th leading U.S. port with 13.6M tons of material shipped or received in 2005.
- Cleveland Harbor ranked 5th among the Great Lakes Ports.
- Over 5.5 miles of breakwater structures.
- 5.8 miles of Federal Channel on the Cuyahoga River and 1 mile of Federal Channel on the Old River.
- A confined disposal facility (CDF) is located to the east of the harbor entrance.
- Major stakeholders include Cleveland-Cuyahoga County Port Authority, Burke Lakefront Airport, Mittal Steel, U.S. Coast Guard, Lake Carriers Association, Cargill, and the Flats Industry Association.

Project Needs

- Minimum of 225,000 cubic yards (CY) of material must be dredged each year.
- The current sediment backlog within the functional harbor areas is estimated at approximately 1.2M CY.
- Severely deteriorated West Pierhead, sections of the East and West breakwaters and the Corps Area Office Pier must also be repaired.
- The existing CDF is near capacity and must be raised to provide interim capacity.
- Long-term measures are needed to provide an additional 20 years of dredged material management capacity.



Consequences of Not Maintaining the Project

- Significant loss of jobs both locally and regionally.
- Light loading; loss of between 1 and 2 feet of channel depth results in increased transportation costs of between \$4M and \$9M annually.

Transportation Importance

- Major receiving and shipping port on the Great Lakes.
- Commodities shipped or received include iron ore, limestone, sand and gravel, cement and concrete, general cargo and liquid bulk.
- Major iron ore transshipment facility has been moved to Cleveland's Outer Harbor. This facility provides iron ore to inland steel mills at lower delivery costs when compared to truck or direct rail delivery.
- The harbor ships more than 1M tons of salt annually, which is mainly used by local municipalities for road deicing.
- Bulk commodities that pass through Cleveland Harbor generate approximately \$151M annually in direct revenue which supports over 2,495 jobs. These jobs generate over \$92M per year in personal income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007, 2008 and 2009
Cleveland Harbor, Ohio Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Maintenance Dredging – Primary Work Package	2,160	1,960	2,350	2,350	2,700	
Maintenance Dredging – Backlog Work Package					1,791	
Critical Advance Maintenance Dredging	150	0	180	180		
Construction, Dike 10B Dredge Material Placement Management	450	275	370	370		
E&D, New CDF	150	0	250	250	400	
E&D, Interim CDF (Dike 12, Phase 2)					400	
Construction, Interim CDF (Dike 12)	1,400	1340	1,400	1,400		
E&D, Interim CDF (Dike 9)					370	
Construction, Interim CDF (Dike 9)					2,400	
Snagging & Clearing (F/P)	40	40	40	40	45	
Dredged Material Management Plan	250	350	120	120		
Project Condition Surveys	44	44	110	110	65	
Structure Repair - Breakwater - 300 LF	690	293	1,200	1,200		
Construction, West Pierhead Repair			3,000	1,475	1,700	
E&D, East Breakwater Repair (Sta 84-94)	100	0	200	200		
Construction, East Breakwater Repair (Sta 84-94)					2,700	
E&D, Ohio Area Office Finger Pier Repair	200	0	250	250		
E&D, East Breakwater West End Section Repair	200	0	250	250		
Environmental Compliance (CDF Monitoring, Field)			15	15	16	
Environmental Compliance (CDF-Risk Assessment)					10	
Environmental Compliance Management					15	
Complete E&D, West Pierhead Repair	250	200				
E&D, Ohio Area Office Finger Pier - Electrical Repair	100	0				
Economic Data Collection			100	100	100	
Structure Repair – E & W Arrowhead Breakwater (F/P)					875	
TOTALS	6,184	4,502	9,835	8,310	13,587	

*FY09 President's Budget will be available in February 2008